



SEQUENCE LISTING

<110> Sepp Kaul  
Josef Preiherr (Deceased)  
Ulrich Weidle

<120> A nucleic acid which is upregulated in human tumor cells, a protein encoded thereby and a process for tumor diagnosis

<130> Case 20678

<140>

<141>

<150> EP00110953.7

<151> 2000-05-26

<150> EP00115369.1

<151> 2000-07-15

<160> 12

<170> PatentIn Ver. 2.1

<210> 1

<211> 2342

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<222> (459)..(848)

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agacgtgcag catcttgct ggcttctacc gaaacacc atg gat cca gac gtg gtt 476  
Met Asp Pro Asp Val Val  
1 5

ttg tgg tcc tgc acg tgg aag cca gcc ctg cgt ggg gtg agc ctg gga 524  
Leu Trp Ser Cys Thr Trp Lys Pro Ala Leu Arg Gly Val Ser Leu Gly  
10 15 20

ctg tgg gca gag aac ctc aag cac cg<sub>g</sub> gcc ggc acc caa gtg cag aga 572  
Leu Trp Ala Glu Asn Leu Lys His Arg Ala Gly Thr Gln Val Gln Arg  
25 30 35

ctg cat cgt ccc agc agg agg cg<sub>c</sub> tgc ttc cag gct ccc tgg acg gac 620  
Leu His Arg Pro Ser Arg Arg Cys Phe Gln Ala Pro Trp Thr Asp  
40 45 50

tcc ggg agg gcg gcc ttt ccc ccc agc ccc aga ggt ggg cct gcc ctt 668  
Ser Gly Arg Ala Ala Phe Pro Pro Ser Pro Arg Gly Gly Pro Ala Leu  
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Phe Arg Ala Trp Asp Thr Ala Gln Glu Asn Ala Trp Leu Val Leu Gln  
75 80 85

aca cag gtg cta aca ggg cc<sub>g</sub> tca gac aag ggc cag gga ctc agg ctt 764  
Thr Gln Val Leu Thr Gly Pro Ser Asp Lys Gly Gln Gly Leu Arg Leu  
90 95 100

tta gga att tca gct cca gag cca cca tgc agt ggg acc agg ggt ctg 812  
Leu Gly Ile Ser Ala Pro Glu Pro Pro Cys Ser Gly Thr Arg Gly Leu  
105 110 115

cgt gga cag gaa gca agc tgt gta gac ggg ggt cca tgaagttagag 858  
Arg Gly Gln Glu Ala Ser Cys Val Asp Gly Gly Pro  
120 125 130

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2342

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Gly Thr Gln Val Gln Arg Leu His Arg Pro Ser Arg Arg Arg Cys Phe  
35 40 45  
Gln Ala Pro Trp Thr Asp Ser Gly Arg Ala Ala Phe Pro Pro Ser Pro  
50 55 60  
Arg Gly Gly Pro Ala Leu Phe Arg Ala Trp Asp Thr Ala Gln Glu Asn  
65 70 75 80  
Ala Trp Leu Val Leu Gln Thr Gln Val Leu Thr Gly Pro Ser Asp Lys  
85 90 95  
Gly Gln Gly Leu Arg Leu Leu Gly Ile Ser Ala Pro Glu Pro Pro Cys  
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115 120 125  
Gly Pro  
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<213> Homo sapiens

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<222> (1)..(285)

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cgt ggg gtg agc ctg gga ctg tgg gca gag aac ctc aag cac cgg gcc 96  
Arg Gly Val Ser Leu Gly Leu Trp Ala Glu Asn Leu Lys His Arg Ala  
20 25 30

ggc acc caa gtg cag aga ctg cat cgt ccc aac agg agg cgc tgc ttc 144  
Gly Thr Gln Val Gln Arg Leu His Arg Pro Asn Arg Arg Arg Cys Phe  
35 40 45

cag gct ccc tgg acg gac tcc ggg agg gcg gcc ttt ccc ccc agc ccc 192  
Gln Ala Pro Trp Thr Asp Ser Gly Arg Ala Ala Phe Pro Pro Ser Pro  
50 55 60

aga ggt ggg cct gcc ctt ttc cga gcg tgg gac aca gcc cag gaa aac 240  
Arg Gly Gly Pro Ala Leu Phe Arg Ala Trp Asp Thr Ala Gln Glu Asn  
65 70 75 80

gca tgg ctt gtc ctc cag aca cag ggc gag ttt gga cgg caa gac 285  
Ala Trp Leu Val Leu Gln Thr Gln Gly Glu Phe Gly Arg Gln Asp  
85 90 95

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<212> PRT

<213> Homo sapiens

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20 25 30

Gly Thr Gln Val Gln Arg Leu His Arg Pro Asn Arg Arg Arg Cys Phe  
35 40 45

Gln Ala Pro Trp Thr Asp Ser Gly Arg Ala Ala Phe Pro Pro Ser Pro  
50 55 60

Arg Gly Gly Pro Ala Leu Phe Arg Ala Trp Asp Thr Ala Gln Glu Asn  
65 70 75 80

Ala Trp Leu Val Leu Gln Thr Gln Gly Glu Phe Gly Arg Gln Asp  
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19

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<210> 10  
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<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: -actin forward  
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<210> 12

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<223> fragment of sequence AQ548392, nucleotide 1  
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correspond to nucleotide 430 of the complete  
sequence

<300>

<308> AQ548392

<400> 12

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127  
tagcacc